

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Huitao Luo et al.

Confirmation No.:

Application No.:

Examiner:

Filing Date: Herewith

Group Art Unit:

Title: DETECTING AND CORRECTING REDEYE IN AN IMAGE

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or  
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:  
☐ Statement under 37 CFR 1.97(e), or  
☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(After the 37 CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d) together with a:  
☐ Statement under 37 CFR 1.97(e)(1) or (2), and  
☐ a \$180.00 fee set forth in 37 CFR 1.17(p).  
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account **08-2025** the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **08-2025** pursuant to 37 CFR 1.25.

☒ Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Citation together with copies, of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

"Express Mail" label no. **ET649780285US**

Date of Deposit **Aug. 29, 2003**

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Alexandria, VA 22313-1450.

By

Typed Name: **Edouard Garcia**

Respectfully submitted,

**Huitao Luo et al.**

By

**Edouard Garcia**

Attorney/Agent for Applicant(s)  
Reg. No. **38,461**

Date: **Aug. 29, 2003**

Telephone No.: **(650) 631-6591**

<b>FORM PTO-1449</b>  <b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>  (Use several sheets if necessary)	ATTY. DOCKET NO. <b>200313342-1</b>	APPLICATION NO.	CONFIRMATION NO.
	APPLICANT <b>Huitao Luo et al.</b>		
	FILING DATE <b>Herewith</b>	GROUP	

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	6,292,574	Sep. 18, 2001	Schildkraut et al.	
	1B	6,016,354	Jan. 18, 2000	Lin et al.	
	1C	6,009,209	Dec. 28, 1999	Acker et al.	
	1D	5,432,863	Jul. 11, 1995	Benati et al.	
	1E	2002/0176623	Nov. 28, 2002	Steinberg	
	1F	2003/0110147	Jun. 12, 2003	Li et al.	
	1G	2003/0108244	Jun. 12, 2003	Li et al.	
	1H	2003/0063097	Apr. 3, 2003	Prabhakar et al.	
	1I	5,664,072	Sep. 2, 1997	Ueda et al.	
	1J	6,172,681	Jan. 9, 2001	Ueda	
	1K				

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L					
	1M					
	1N					
	1O					
	1P					

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	1Q	M. Gaubatz and R. Ulichney, "Automatic red-eye detection and correction," ICIP, New York, 2002.
	1R	R-L Hsu, M. Abdel-Mottaleb and A.K. Jain, "Face Detection in Color Images," ICIP, Thessaloniki, 2001.
	1S	"Better Pictures, More Choices," Eastman Kodak Company, (Feb. 5, 2002).

EXAMINER

DATE CONSIDERED

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

200313342-1

APPLICATION NO.

CONFIRMATION NO.

APPLICANT

Huitao Luo et al.

FILING DATE

H rewith

GROUP

## REFERENCE DESIGNATION

## U. S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	2A				
	2B				
	2C				
	2D				
	2E				
	2F				
	2G				
	2H				
	2I				
	2J				
	2K				

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	2L					
	2M					
	2N					
	2O					
	2P					

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

2Q	"Industry's first completely automatic red eye detection and reduction system launched," Pictos Technologies, Inc. (Apr. 2002).
2R	"Red-Eye Removal," Pixology - Product Categories, (before Apr. 2003).
2S	Jianzhong Fang et al., "A Colour Histogram Based Approach to Human Face Detection," VIE 2003, University of Surrey, Guildford, UK, 4 pages (July 2003).

EXAMINER

DATE CONSIDERED

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

200313342-1

APPLICATION NO.

CONFIRMATION NO.

APPLICANT

Huitao Luo et al.

FILING DATE

Herewith

GROUP

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	3A				
	3B				
	3C				
	3D				
	3E				
	3F				
	3G				
	3H				
	3I				
	3J				
	3K				

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	3L					
	3M					
	3N					
	3O					
	3P					

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	3Q	Freund et al., "A Short Introduction to Boosting," Journal of Japanese Society for Artificial Intelligence," 14(5): 771-780, Sept. 1999.
	3R	
	3S	

EXAMINER

DATE CONSIDERED